

REPORT OF ANALYSIS

VESSEL : M/T «**FLAGSHIP IRIS**» **DATE** : FEBRUARY 12TH, 2015
PORT / TERMINAL : BAHIA LAS MINAS / T. C. P. **YOUR REF** : HP20150112 / 14910
SAMPLE OF * : LIGHT DIESEL OIL **ICB REF** : S-PA100-0009830
DRAWN BY : INTERTEK COMMODITIES DIVISION **WITNESSED BY** : N/A
ANALYZED BY : INTERTEK COMMODITIES DIVISION **LAB REF. No.** : 0123-15

CLIENT : REFINERÍA PANAMÁ, S. A.
ADDRESS : Bahía Las Minas, Cativá, Colón, República de Panamá
SAMPLE DATE : FEBRUARY 11TH, 2015
RECEPTION DATE : FEBRUARY 12TH, 2015
ANALYSIS DATE : FEBRUARY 12TH, 2015

Identified as: SHORE TANK D-2103 / After Discharge / Composite Sample

	TEST	UNITS	METHOD	SPECIFICATION	RESULTS
1.	Color	ASTM scale	ASTM D1500	2.5 max.	L1.0
2.	Appearance	N/A	ASTM D4176	Bright & Clear	Bright & Clear
3.	Sediment and Water	volume %	ASTM D2709	0.05 max.	0.00
4.	API Gravity at 60°F	degrees	ASTM D287	32.0 min.	35.0
5.	Flash Point	°C	ASTM D93A	60 min.	63.0
6.	Sulfur Content	mass %	ASTM D4294	0.05 max.	0.0245
7.	Ash Content	mass %	ASTM D482	0.01 max.	L 0.001
8.	Carbon Conradson Residue on 10% Bottom	mass %	ASTM D189	0.30 max.	L 0.1
9.	Copper Strip Corrosion at 50°C for 3 hrs	corrosiveness	ASTM D130	2 max.	1A
10.	Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	1.9 min. - 4.1 max.	2.945
11.	Cetane Index	calculated	ASTM D976	45 min.	48.1
12.	Lubricity HFRR at 60°C	µm(micron.)	ASTM D6079	520 max.	413
13.	Distillation	°C	ASTM D86	-----	-----
	• 10% recovered			Report	210.0
	• 50% recovered			288 max.	270.0
	• 90% recovered			282 min. - 338 max.	325.0
	• Final Boiling Point			Report	356.0
	• Residue			2 max.	1.1
	• Loss			2 max.	0.8

* As per customer description

ICBFCA-019
Rev.1/09-04

Remarks:

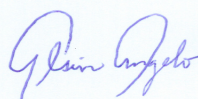
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Lote: 0215LDO007

Volumen Total: 167,402.12 BBLs.

Volumen Disponible: 152,402.12 BBLs.

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Laboratory Manager

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